

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently amended) A communication device comprising:
 - a physical medium; and
 - a processor coupled with the physical medium, wherein the processor is adapted to
 - (a) receive a plurality of reservation request frames from a plurality of respective devices during a Centralized Contention Interval for a wireless communication channel;
 - (b) decode a reservation request from each reservation request frame, and a return address of a MAC Medium Access Control (MAC) sublayer of an associated device;
 - (c) determine at a the MAC sublayer a schedule of transmission sessions for exchanging data with the respective devices as per the respective reservation requests;
 - (d) identify one of the respective devices from the schedule as being the next one;
 - (e) encode the associated return address of the next device in a polling frame;
 - (f) acquire control of the channel;
 - (g) transmit the polling frame over the channel while in a DCF Distribution Coordination Function (DCF) mode; and
 - (h) exchange data over the channel from the identified device during the respective session.
2. (Currently amended) The device of claim 1, wherein the processor is further adapted to:
 - identify another one of the respective devices from the schedule as being the next one;
 - and
 - repeat (e) through (h).
3. (Currently amended) The device of claim 1, wherein
 - receiving the data is to be within a SIFS Short Inter-Frame Spacing (SIFS) of transmitting the polling frame.
4. (Currently amended) The device of claim 1, wherein
 - the polling frame is a CTS Clear To Send (CTS) frame.

5. (Currently amended) A communication device comprising:
- a physical medium; and
 - a processor coupled with the physical medium, wherein the processor is adapted to transmit a reservation request through a wireless communication channel during a Centralized Contention Interval;
 - receive a polling frame through the channel while in a ~~DCF~~ Distribution Coordination Function (DCF) mode;
 - decode a return address from the polling frame;
 - determine whether the return address matches an address of a ~~MAC~~ Medium Access Control (MAC) sublayer of the device; and
 - if so, transmit data from the MAC sublayer through the channel.
6. (original) The device of claim 5, wherein the processor is further adapted to:
- decode a duration of a session window from the polling frame; and
 - discontinue transmitting data after the session window ends.
7. (Currently amended) The device of claim 5, wherein
- transmitting the data from the MAC sublayer is to be performed within a ~~SIFS~~ Short Inter-Frame Spacing (SIFS) from receiving the polling frame.
8. (Currently amended) The device of claim 5, wherein the polling frame is a ~~CTS~~ Clear To Send (CTS) frame.
9. (Currently amended) An article comprising: a storage medium, said storage medium having stored thereon instructions, that, when executed by at least one device, result in:
- (a) receiving a plurality of reservation request frames from a plurality of respective devices during a Centralized Contention Interval for a wireless communication channel;
 - (b) decoding a reservation request from each reservation request frame, and a return address of a ~~MAC~~ Medium Access Control (MAC) sublayer of an associated device;
 - (c) determining at a the MAC sublayer a schedule of transmission sessions for exchanging data with the respective devices as per the respective reservation requests;
 - (d) identifying one of the respective devices from the schedule as being the next one;
 - (e) encoding the associated return address of the next device in a polling frame;
 - (f) acquiring control of the channel;

- (g) transmitting the polling frame over the channel while in a DCF Distribution Coordination Function (DCF) mode; and
- (h) exchanging data over the channel from the identified device during the respective session.
10. (Currently amended) The article of claim 9, wherein the instructions further result in:
identifying another one of the respective devices from the schedule as being the next one; and
repeating (e) through (h).
11. (Currently amended) The article of claim 9, wherein
receiving the data is within a SIFS Short Inter-Frame Spacing (SIFS) of transmitting the polling frame.
12. (Currently amended) The article of claim 9, wherein
the polling frame is a CTS Clear To Send (CTS) frame.
13. (Currently amended) An article comprising: a storage medium, said storage medium having stored thereon instructions, that, when executed by at least one device, result in:
transmitting a reservation request through a wireless communication channel during a Centralized Contention Interval;
receiving a polling frame through the channel while in a DCF Distribution Coordination Function (DCF) mode;
decoding a return address from the polling frame;
determining whether the return address matches an address of a MAC Medium Access Control (MAC) sublayer of the device; and
if so, transmitting data from the MAC sublayer through the channel.
14. (original) The article of claim 13, wherein the instructions further result in:
decoding a duration of a session window from the polling frame; and
15. (Currently amended) The article of claim 13, wherein
transmitting the data from the MAC sublayer is performed within a SIFS Short Inter-Frame Spacing (SIFS) from receiving the polling frame.

16. (Currently amended) The article of claim 13, wherein
the polling frame is a ~~CTS~~ Clear To Send (CTS) frame.

17. (Currently amended) A method comprising:

- (a) receiving a plurality of reservation request frames from a plurality of respective devices during a Centralized Contention Interval for a wireless communication channel;
- (b) decoding a reservation request from each reservation request frame, and a return address of a ~~MAC~~ Medium Access Control (MAC) sublayer of an associated device;
- (c) determining at a the MAC sublayer a schedule of transmission sessions for exchanging data with the respective devices as per the respective reservation requests;
- (d) identifying one of the respective devices from the schedule as being the next one;
- (e) encoding the associated return address of the next device in a polling frame;
- (f) acquiring control of the channel;
- (g) transmitting the polling frame over the channel while in a ~~DCF~~ Distribution Coordination Function (DCF) mode; and
- (h) exchanging data over the channel from the identified device during the respective session.

18. (Currently amended) The method of claim 17, further comprising:
identifying another one of the respective devices from the schedule as being the next one; and
repeating (e) through (h).

19. (Currently amended) The method of claim 17, wherein
receiving the data is within a ~~SIFS~~ Short Inter-Frame Spacing (SIFS) of transmitting the polling frame.

20. (Currently amended) The method of claim 17, wherein
the polling frame is a ~~CTS~~ Clear To Send (CTS) frame.

21. (Currently amended) A method comprising:
transmitting a reservation request through a wireless communication channel during a Centralized Contention Interval;

receiving a polling frame through the channel while in a DCF Distribution Coordination Function (DCF) mode;
decoding a return address from the polling frame;
determining whether the return address matches an address of a MAC Medium Access Control (MAC) sublayer of the device; and
if so, transmitting data from the MAC sublayer through the channel.

22. (original) The method of claim 21, further comprising:

decoding a duration of a session window from the polling frame; and
discontinuing transmitting data after the session window ends.

23. (Currently amended) The method of claim 21, wherein
transmitting the data from the MAC sublayer is performed within a SIFS Short Inter-Frame Spacing (SIFS) from receiving the polling frame.

24. (Currently amended) The method of claim 21, wherein
the polling frame is a CTS Clear To Send (CTS) frame.